

**HOME**  
**Computing**  
**WEEKLY**

AN AMUSE SPECIALITY PUBLICATION  
No. 92  
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45p

**Swot spot**  
Six-page  
educational  
extravaganza  
for VIC-20  
and CBM 64

**Dozens of  
reviews for:  
BBC,  
Spectrum,  
CBM 64,  
Amstrad  
CPC464,  
Electron**

**VIC-20**  
authors:  
Helpful hints  
for your own  
programs

### Commodore 64 Character study Look closely at your pixels

that the *in vitro* results are not directly applicable to the *in vivo* situation. The *in vivo* situation is more complex because of the presence of other factors such as the immune system, the presence of other microorganisms, and the presence of other factors that may affect the growth of the microorganism. The *in vivo* situation is also more complex because of the presence of other factors such as the immune system, the presence of other microorganisms, and the presence of other factors that may affect the growth of the microorganism.

**Great games  
to type in for  
Atari, VIC-20,  
Oric/Atmos,  
ZX81,  
Spectrum**

**Plus: news,  
your letters,  
charts.**



# ULTIMATE PLAY THE GAME

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48K SINCLAIR ZX SPECTRUM



COMMODORE 64



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## REGULARS

<b>News</b> .....	<b>3, 5</b>
<b>Software charts</b> .....	<b>67</b>
<b>Letters</b> .....	<b>68</b>
<b>Classified ads start on</b> .....	<b>42</b>

## SOFTWARE REVIEWS

<b>Hang on to your seats</b> .....	<b>11</b>
<i>Flash! All excitement in get the old electronic flying.</i>	
<b>Ordinaries corner</b> .....	<b>14</b>
<i>From now with a difference or add money to your collection.</i>	
<b>Legends for adventurers</b> .....	<b>37</b>
<i>My David characterist long ago from the breakfast.</i>	
<b>Action package</b> .....	<b>53</b>
<i>We're keeping you on your toes this week.</i>	
<b>Ever popular arcade</b> .....	<b>56</b>
<i>Action and excitement to keep your fingers at bay.</i>	
<b>Quests for the unknown</b> .....	<b>57</b>
<i>Adventures to keep the added things.</i>	
<b>War is declared</b> .....	<b>60</b>
<i>Will you give your country from the enemy?</i>	

Software Reviewers send your software for review to the editorial office at the address below. Contact us for comparisons and other promotions, too.

# HOME COMPUTING WEEKLY BRITAIN'S BRIGHTEST



## SPECIALS

<b>Sweet spot</b> .....	<b>91</b>
<i>Editorial special corresponds for the Commodore 64 and VIC-20.</i>	
<b>Programming features</b> .....	<b>92</b>
<i>Updating machine code to BASIC.</i>	

## PROGRAMS

<b>Atari</b> .....	<b>12</b>
<i>Quick down the ramp, and to save the city.</i>	
<b>Commodore 64</b> .....	<b>16</b>
<i>Look closely at those pixels with our character study.</i>	
<b>VIC-20</b> .....	<b>19</b>
<i>A new look at a game in which you're a dog during a race.</i>	
<b>Oric Atmos</b> .....	<b>20</b>
<i>Checks every 'You'll send mail and fire releases in the WWI game.</i>	
<b>ZX81</b> .....	<b>24</b>
<i>Watch where you stand — class's hidden intent, above.</i>	
<b>Spectrum</b> .....	<b>26</b>
<i>Are you the real Robin Hood — or an impostor?</i>	

Readers: we welcome your programs, words and ops.

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# SUPERCARGE YOUR TI-99/4A THIS CHRISTMAS

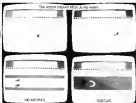
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## Games to remember



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## From front page

developed to cope with the new family careers.

"It's rather like the video industry," said Mr Mason. "There is a road away from feature films towards educational and home training programs. There's a death of feature programs and that side of the industry must be developed."

Mr continued: "It's really a chicken and egg situation. Which comes first, the software or the broader base of users? There's currently a hiatus: there are few of good games, some educational software, but nothing for home."

Although his company will be bought, a larger proportion of the UK population will have access to a micro. "For us, there is a difference between the growth in awareness, which is a cumulative figure, and the rate of market delivery," explained Mr Mason. "The market is gradually extending beyond families with teenage children, and that will probably be the year when the larger number of new households will buy their first machine. However, we do see some upgrading."

Media Leisure isn't a market research survey. It's a compilation of the results of all types of surveys, incorporated into a view of the leisure market and a forecast of future trends, related to social and economic factors.

One conclusion is the vast total spending on leisure, which comprises one third of all consumer spending — a growing, as is our total leisure time.

Media Leisure is available from W. H. Munn, Editors Consultants, Ltd, Queens, Post Park, Salford, Suffolk, Suffolk, Post Park, 2266.

## Night on the town

Amstrath recently took over the Hippodrome night club, in central London for a money launch for a new range of products. Barry Newman part appeared in the present at one, while Tommy Vance did a voice-over for the desired purpose of all the games.

Twisted titles have been supported from the States, and often such as Clapham's Operation One, Berlin of the 1940s, and Action and MILL have been American chart-toppers. Brotherhood and Electronic Arts are the well-known names behind the games.

Distributed by CBS, Amstrath has all the resources of a big corporation to back it up at various times the software industry. Big promotional and advertising spends are on the cards.

While the initial range is for the Commodore 64, other machines will be covered for in the New Year.

Amstrath is a subsidiary of the German publishing group Bertelsmann, and their computer is Amstrath records. Ashley Glyn, managing director, said: "Our aim is to develop only high performance programs to satisfy consumer demand for quality software. We intend to market them using techniques new to the computer software marketing business."

*Amstrath, Ashley Glyn, Peter St, London SW1*

## Lieheart From Bubble Bus

Amstrath all the doom and gloom of unemployment of being software buyers new computers are not being set up, the such as London's Mark Minkins, in-house of Bartlett. But Software in Telford, Wilt. has sold his share to establish his own company.

Lieheart is using business programming and the first games are scheduled for release in January, on the Amstrath CPC64, Commodore 64 and C16.

"The passing from Bubble Bus was extremely amicable," said Mark Minkins. "We have different ideas for the new company, which include special marketing techniques and new types of games. There's definitely a market for new software houses if they have the right idea."

*Lieheart, 29 The Boundary, Langdon Green, Telford, Wilt, Post TW9 8XA*

## Elite for Spectrum

British Telecom's software arm, Portland, has bought Elite, Amstrath's top-selling space game, for conversion to 286 machines. Currently on the BBC, Elite will be available on Spectrum from within five months, according to Portland.

Elite will appear as the Portland Gold Elite and will probably retail for £24.95, the

same as Amstrath's version. Maryann Moore, vice-president of the programming, Ian Bell and David Smith, senior sales and tech for non-Amstrath machines.

Portland Gold is BT's operation label and an Amstrath version is likely to follow.

*Portland, Second Floor, Wellington Way, Upper St, Market Lane, London WC2H 9DE*

## Fruit machine

Elite is a home fruit machine simulation for the Dragon. Originally sold under a licensing agreement by Dragon Data, however is now taking over the title.

Holds, multi and gamble was one feature of this game which cost £4.95.

*Dragon, 149 Belford Rd, London SW12 8BN*

## Bubble Bus duo

Test and Snake Force are two new releases. For the Commodore 64, from Bubble Bus, both cost £4.95.

In Test you are confined in a room, with the walls closing in on you. A collection of monsters are after you. If you get through the room you move on to the next — there are 25 rooms — and as you stay longer, the monsters become more and more numerous.

Snake Force is a new game you control a 68 gun and you must eliminate reconnaissance helicopters, while defending yourself after enemy bombers, fighter escorts and missiles can.

*Bubble Bus, 17 High St, Telford, Shropshire TF9 1EX*

## Mythic game

The legend of Thomas and Becket will shortly be available on your computer.

CRL is releasing a graphic adventure based on the story, and it should be at the shops mid-December.

To outline the myth briefly: Thomas and Becket are two hapless lovers. Becket is betrothed to King Marik of Cornwall, and the couple decide to contain themselves so

carefully by taking a death poison together. However, Becket's most subjugates a love poison, so they are fooled.

King Marik banishes Thomas to Britain, where Becket meets him and they do together.

CRL's version was made by a 21-year old student in Heidelberg University, Germany. At £3.95, the package price includes a booklet.

*CRL, CRL, Box, 9 Kings Rd, Gower's Rd, London E12 6HD*

## Fly and Fight

Flyer Fox is a new game for the Commodore 64, on cassette and disc. For one player, it's a 3D fight combat game with software generated speech.

Cassette costs £9.95 and disc costs £14.95.

*Traner, Narrivator Max, Colchester Rd, Epsom, Surrey KT6 1BA*

## Check MSX

Now on MSX Superbase, from Kana. This is the latest in Kana's range for the MSX, and it's a very good game.

Analytic mode and Recommended Mode are helpful features, which help mode will go you out of a crisis situation. The Help mode suggests a writing instructions which are supplied with the program.

Jon Day, chief manager, said: "It's a new game. Superbase will contain every game we place at the facilities of the MSX software house."

*Price £9.95.*

*Kana, 11 Haverhill Park, Haverhill Rd, Haverhill, Beds RG21 1JF*

## Monty's author joins QS

Author of Pony Pigeon and Monty Mole, Tony Crowther has set up a deal with Quicksilver giving machine rights to his next two games.

One will be released before Christmas, while the second game is still in preproduction stage and no launch date has been announced.

*Quicksilver, 15 Palmerston Rd, Southsea, Hants*

## Four for fun

A and F fourpacks for the BBC/Emulon are currently available and are named as the Christmas and post-Christmas releases.

Chasing £14.99 — about half the full recommended retail price for four games — the package contains *Cylon Attack* and *Charger Gun*. BBC versions include *Hundred Alley* and *100 Darts*, while Emulon copies feature *Kamikaze* and *Pharaoh's Tomb*.

Add, Don & Camelinah Ltd Ltd, Woodhouse St East, Rochdale, Lancs OL16 1LP.

## Video teach-in

If you have both a computer and a video recorder in your home, you may be interested in Computer Television's Easy Microcomputing. It's a 78 minute video which aims to educate in layman's terms.

Chris Sible is the presenter, and he takes you through the first steps of computing. Topics covered include the basics, why computers? how to select, and specific applications.

Chris Sible aims to put the viewer at ease and relieve fears of baffling him or her with

technical jargon.

Computer Television has teamed with a number of well-known companies to produce the video. These include Sinclair Research, Primal, Mervyn International, Power Computers, Comshare, Business Operating Systems, Brother Office Equipment and Brand. These companies provide financial support and expertise.

You can buy Easy Microcomputing at WH Smiths and other high street shops. It costs £19.95.

Computer Television, 9 Coventry Square, London W1.

## Atari push

"Money say the power" it has. Atari boss Jack Tramiel described his pricing strategy, as detailed plans for the 80080, were announced.

The top-of-the-range computer is down from £169 to £129.95, and Jack Tramiel was speaking in part 10 of 50 slides.

"I place my money where my mouth is," he said. "Since I acquired the Atari Corporation in July, prices of our computers have been mostly halved. As Henry Ford said before me, 'For every time you remove from the cost per unit a whole

new stream of buyers are created'."

"Manufacturing advances in producing high technology products mean that prices should be falling," he said. "Home computers are accepted though the same steps of marketing evolution which affected pocket calculators five years ago."

Atari, Atari Inc, Redwood Town, Menlo Park, CA 94025.

## Toshiba plus three

The Toshiba 87N 48 is the most widely available MSX computer at this stage, and Toshiba has announced that it is providing the offering as a electronic gateway to the computer market of the normal end-user form.

Toshiba's MSX is a 64K machine, costing £279.99. Included in this price are three monitors, Copier's Henshick, CDS French is Fun and Software Projects' Manus Merg.

Chris Grev, Toshiba product manager, said: "There are currently about 150 titles available for the MSX. As Toshiba we're not very good designers and we're not with most major companies. So for we're truly pleased with the

way it's going."

CDS managing director Colin Hester said: "I'm sure Toshiba chose French is Fun to demonstrate that good educational programs are available for MSX, together with a wide range of games."

CDS has also released Spanish is Fun, German is Fun and Italian is Fun for the MSX system. Each will cost £7.95.

Toshiba Toshiba Ltd, Finsley Rd, Farnley, Camberley, Surrey GU10 3JG.

CDS Silver Box Silver St, Daresbury, 3 Works DN1 1AA.

## Good news, Aquarius!

The Aquarius computer has very little software. That position is being remedied with the launch of 30 new games from Add on Electronics.

Arcade games such as M Vaders, 11-On, Grid Bug, Phrynosaur, Checkmate, D Ponders, Pac Man, Hobo Express, Grasshopper Bridge and World Cup Football will cost £1.95 each. Add-on Electronics is also bringing out seven new games packs, also at £1.95.

Add on Electronics Unit 3 & 4, Star Hill Ind Est, Bedford Road, Evesham CV21 1AQ.



Toshiba MX-16 multi-tasking software

# WORDSWORTH

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249-250, 251-252, 253-254, 255-256, 257-258, 259-260, 261-262, 263-264, 265-266, 267-268, 269-270, 271-272, 273-274, 275-276, 277-278, 279-280, 281-282, 283-284, 285-286, 287-288, 289-290, 291-292, 293-294, 295-296, 297-298, 299-300, 301-302, 303-304, 305-306, 307-308, 309-310, 311-312, 313-314, 315-316, 317-318, 319-320, 321-322, 323-324, 325-326, 327-328, 329-330, 331-332, 333-334, 335-336, 337-338, 339-340, 341-342, 343-344, 345-346, 347-348, 349-350, 351-352, 353-354, 355-356, 357-358, 359-360, 361-362, 363-364, 365-366, 367-368, 369-370, 371-372, 373-374, 375-376, 377-378, 379-380, 381-382, 383-384, 385-386, 387-388, 389-390, 391-392, 393-394, 395-396, 397-398, 399-400, 401-402, 403-404, 405-406, 407-408, 409-410, 411-412, 413-414, 415-416, 417-418, 419-420, 421-422, 423-424, 425-426, 427-428, 429-430, 431-432, 433-434, 435-436, 437-438, 439-440, 441-442, 443-444, 445-446, 447-448, 449-450, 451-452, 453-454, 455-456, 457-458, 459-460, 461-462, 463-464, 465-466, 467-468, 469-470, 471-472, 473-474, 475-476, 477-478, 479-480, 481-482, 483-484, 485-486, 487-488, 489-490, 491-492, 493-494, 495-496, 497-498, 499-500, 501-502, 503-504, 505-506, 507-508, 509-510, 511-512, 513-514, 515-516, 517-518, 519-520, 521-522, 523-524, 525-526, 527-528, 529-530, 531-532, 533-534, 535-536, 537-538, 539-540, 541-542, 543-544, 545-546, 547-548, 549-550, 551-552, 553-554, 555-556, 557-558, 559-560, 561-562, 563-564, 565-566, 567-568, 569-570, 571-572, 573-574, 575-576, 577-578, 579-580, 581-582, 583-584, 585-586, 587-588, 589-590, 591-592, 593-594, 595-596, 597-598, 599-600, 601-602, 603-604, 605-606, 607-608, 609-610, 611-612, 613-614, 615-616, 617-618, 619-620, 621-622, 623-624, 625-626, 627-628, 629-630, 631-632, 633-634, 635-636, 637-638, 639-640, 641-642, 643-644, 645-646, 647-648, 649-650, 651-652, 653-654, 655-656, 657-658, 659-660, 661-662, 663-664, 665-666, 667-668, 669-670, 671-672, 673-674, 675-676, 677-678, 679-680, 681-682, 683-684, 685-686, 687-688, 689-690, 691-692, 693-694, 695-696, 697-698, 699-700, 701-702, 703-704, 705-706, 707-708, 709-710, 711-712, 713-714, 715-716, 717-718, 719-720, 721-722, 723-724, 725-726, 727-728, 729-730, 731-732, 733-734, 735-736, 737-738, 739-740, 741-742, 743-744, 745-746, 747-748, 749-750, 751-752, 753-754, 755-756, 757-758, 759-760, 761-762, 763-764, 765-766, 767-768, 769-770, 771-772, 773-774, 775-776, 777-778, 779-780, 781-782, 783-784, 785-786, 787-788, 789-790, 791-792, 793-794, 795-796, 797-798, 799-800, 801-802, 803-804, 805-806, 807-808, 809-810, 811-812, 813-814, 815-816, 817-818, 819-820, 821-822, 823-824, 825-826, 827-828, 829-830, 831-832, 833-834, 835-836, 837-838, 839-840, 841-842, 843-844, 845-846, 847-848, 849-850, 851-852, 853-854, 855-856, 857-858, 859-860, 861-862, 863-864, 865-866, 867-868, 869-870, 871-872, 873-874, 875-876, 877-878, 879-880, 881-882, 883-884, 885-886, 887-888, 889-890, 891-892, 893-894, 895-896, 897-898, 899-900, 901-902, 903-904, 905-906, 907-908, 909-910, 911-912, 913-914, 915-916, 917-918, 919-920, 921-922, 923-924, 925-926, 927-928, 929-930, 931-932, 933-934, 935-936, 937-938, 939-940, 941-942, 943-944, 945-946, 947-948, 949-950, 951-952, 953-954, 955-956, 957-958, 959-960, 961-962, 963-964, 965-966, 967-968, 969-970, 971-972, 973-974, 975-976, 977-978, 979-980, 981-982, 983-984, 985-986, 987-988, 989-990, 991-992, 993-994, 995-996, 997-998, 999-1000, 1001-1002, 1003-1004, 1005-1006, 1007-1008, 1009-1010, 1011-1012, 1013-1014, 1015-1016, 1017-1018, 1019-1020, 1021-1022, 1023-1024, 1025-1026, 1027-1028, 1029-1030, 1031-1032, 1033-1034, 1035-1036, 1037-1038, 1039-1040, 1041-1042, 1043-1044, 1045-1046, 1047-1048, 1049-1050, 1051-1052, 1053-1054, 1055-1056, 1057-1058, 1059-1060, 1061-1062, 1063-1064, 1065-1066, 1067-1068, 1069-1070, 1071-1072, 1073-1074, 1075-1076, 1077-1078, 1079-1080, 1081-1082, 1083-1084, 1085-1086, 1087-1088, 1089-1090, 1091-1092, 1093-1094, 1095-1096, 1097-1098, 1099-1100, 1101-1102, 1103-1104, 1105-1106, 1107-1108, 1109-1110, 1111-1112, 1113-1114, 1115-1116, 1117-1118, 1119-1120, 1121-1122, 1123-1124, 1125-1126, 1127-1128, 1129-1130, 1131-1132, 1133-1134, 1135-1136, 1137-1138, 1139-1140, 1141-1142, 1143-1144, 1145-1146, 1147-1148, 1149-1150, 1151-1152, 1153-1154, 1155-1156, 1157-1158, 1159-1160, 1161-1162, 1163-1164, 1165-1166, 1167-1168, 1169-1170, 1171-1172, 1173-1174, 1175-1176, 1177-1178, 1179-1180, 1181-1182, 1183-1184, 1185-1186, 1187-1188, 1189-1190, 1191-1192, 1193-1194, 1195-1196, 1197-1198, 1199-1200, 1201-1202, 1203-1204, 1205-1206, 1207-1208, 1209-1210, 1211-1212, 1213-1214, 1215-1216, 1217-1218, 1219-1220, 1221-1222, 1223-1224, 1225-1226, 1227-1228, 1229-1230, 1231-1232, 1233-1234, 1235-1236, 1237-1238, 1239-1240, 1241-1242, 1243-1244, 1245-1246, 1247-1248, 1249-1250, 1251-1252, 1253-1254, 1255-1256, 1257-1258, 1259-1260, 1261-1262, 1263-1264, 1265-1266, 1267-1268, 1269-1270, 1271-1272, 1273-1274, 1275-1276, 1277-1278, 1279-1280, 1281-1282, 1283-1284, 1285-1286, 1287-1288, 1289-1290, 1291-1292, 1293-1294, 1295-1296, 1297-1298, 1299-1300, 1301-1302, 1303-1304, 1305-1306, 1307-1308, 1309-1310, 1311-1312, 1313-1314, 1315-1316, 1317-1318, 1319-1320, 1321-1322, 1323-1324, 1325-1326, 1327-1328, 1329-1330, 1331-1332, 1333-1334, 1335-1336, 1337-1338, 1339-1340, 1341-1342, 1343-1344, 1345-1346, 1347-1348, 1349-1350, 1351-1352, 1353-1354, 1355-1356, 1357-1358, 1359-1360, 1361-1362, 1363-1364, 1365-1366, 1367-1368, 1369-1370, 1371-1372, 1373-1374, 1375-1376, 1377-1378, 1379-1380, 1381-1382, 1383-1384, 1385-1386, 1387-1388, 1389-1390, 1391-1392, 1393-1394, 1395-1396, 1397-1398, 1399-1400, 1401-1402, 1403-1404, 1405-1406, 1407-1408, 1409-1410, 1411-1412, 1413-1414, 1415-1416, 1417-1418, 1419-1420, 1421-1422, 1423-1424, 1425-1426, 1427-1428, 1429-1430, 1431-1432, 1433-1434, 1435-1436, 1437-1438, 1439-1440, 1441-1442, 1443-1444, 1445-1446, 1447-1448, 1449-1450, 1451-1452, 1453-1454, 1455-1456, 1457-1458, 1459-1460, 1461-1462, 1463-1464, 1465-1466, 1467-1468, 1469-1470, 1471-1472, 1473-1474, 1475-1476, 1477-1478, 1479-1480, 1481-1482, 1483-1484, 1485-1486, 1487-1488, 1489-1490, 1491-1492, 1493-1494, 1495-1496, 1497-1498, 1499-1500, 1501-1502, 1503-1504, 1505-1506, 1507-1508, 1509-1510, 1511-1512, 1513-1514, 1515-1516, 1517-1518, 1519-1520, 1521-1522, 1523-1524, 1525-1526, 1527-1528, 1529-1530, 1531-1532, 1533-1534, 1535-1536, 1537-1538, 1539-1540, 1541-1542, 1543-1544, 1545-1546, 1547-1548, 1549-1550, 1551-1552, 1553-1554, 1555-1556, 1557-1558, 1559-1560, 1561-1562, 1563-1564, 1565-1566, 1567-1568, 1569-1570, 1571-1572, 1573-1574, 1575-1576, 1577-1578, 1579-1580, 1581-1582, 1583-1584, 1585-1586, 1587-1588, 1589-1590, 1591-1592, 1593-1594, 1595-1596, 1597-1598, 1599-1600, 1601-1602, 1603-1604, 1605-1606, 1607-1608, 1609-1610, 1611-1612, 1613-1614, 1615-1616, 1617-1618, 1619-1620, 1621-1622, 1623-1624, 1625-1626, 1627-1628, 1629-1630, 1631-1632, 1633-1634, 1635-1636, 1637-1638, 1639-1640, 1641-1642, 1643-1644, 1645-1646, 1647-1648, 1649-1650, 1651-1652, 1653-1654, 1655-1656, 1657-1658, 1659-1660, 1661-1662, 1663-1664, 1665-1666, 1667-1668, 1669-1670, 1671-1672, 1673-1674, 1675-1676, 1677-1678, 1679-1680, 1681-1682, 1683-1684, 1685-1686, 1687-1688, 1689-1690, 1691-1692, 1693-1694, 1695-1696, 1697-1698, 1699-1700, 1701-1702, 1703-1704, 1705-1706, 1707-1708, 1709-1710, 1711-1712, 1713-1714, 1715-1716, 1717-1718, 1719-1720, 1721-1722, 1723-1724, 1725-1726, 1727-1728, 1729-1730, 1731-1732, 1733-1734, 1735-1736, 1737-1738, 1739-1740, 1741-1742, 1743-1744, 1745-1746, 1747-1748, 1749-1750, 1751-1752, 1753-1754, 1755-1756, 1757-1758, 1759-1760, 1761-1762, 1763-1764, 1765-1766, 1767-1768, 1769-1770, 1771-1772, 1773-1774, 1775-1776, 1777-1778, 1779-1780, 1781-1782, 1783-1784, 1785-1786, 1787-1788, 1789-1790, 1791-1792, 1793-1794, 1795-1796, 1797-1798, 1799-1800, 1801-1802, 1803-1804, 1805-1806, 1807-1808, 1809-1810, 1811-1812, 1813-1814, 1815-1816, 1817-1818, 1819-1820, 1821-1822, 1823-1824, 1825-1826, 1827-1828, 1829-1830, 1831-1832, 1833-1834, 1835-1836, 1837-1838, 1839-1840, 1841-1842, 1843-1844, 1845-1846, 1847-1848, 1849-1850, 1851-1852, 1853-1854, 1855-1856, 1857-1858, 1859-1860, 1861-1862, 1863-1864, 1865-1866, 1867-1868, 1869-1870, 1871-1872, 1873-1874, 1875-1876, 1877-1878, 1879-1880, 1881-1882, 1883-1884, 1885-1886, 1887-1888, 1889-1890, 1891-1892, 1893-1894, 1895-1896, 1897-1898, 1899-1900, 1901-1902, 1903-1904, 1905-1906, 1907-1908, 1909-1910, 1911-1912, 1913-1914, 1915-1916, 1917-1918, 1919-1920, 1921-1922, 1923-1924, 1925-1926, 1927-1928, 1929-1930, 1931-1932, 1933-1934, 1935-1936, 1937-1938, 1939-1940, 1941-1942, 1943-1944, 1945-1946, 1947-1948, 1949-1950, 1951-1952, 1953-1954, 1955-1956, 1957-1958, 1959-1960, 1961-1962, 1963-1964, 1965-1966, 1967-1968, 1969-1970, 1971-1972, 1973-1974, 1975-1976, 1977-1978, 1979-1980, 1981-1982, 1983-1984, 1985-1986, 1987-1988, 1989-1990, 1991-1992, 1993-1994, 1995-1996, 1997-1998, 1999-2000, 2001-2002, 2003-2004, 2005-2006, 2007-2008, 2009-2010, 2011-2012, 2013-2014, 2015-2016, 2017-2018, 2019-2020, 2021-2022, 2023-2024, 2025-2026, 2027-2028, 2029-2030, 2031-2032, 2033-2034, 2035-2036, 2037-2038, 2039-2040, 2041-2042, 2043-2044, 2045-2046, 2047-2048, 2049-2050, 2051-2052, 2053-2054, 2055-2056, 2057-2058, 2059-2060, 2061-2062, 2063-2064, 2065-2066, 2067-2068, 2069-2070, 2071-2072, 2073-2074, 2075-2076, 2077-2078, 2079-2080, 2081-2082, 2083-2084, 2085-2086, 2087-2088, 2089-2090, 2091-2092, 2093-2094, 2095-2096, 2097-2098, 2099-2100, 2101-2102, 2103-2104, 2105-2106, 2107-2108, 2109-2110, 2111-2112, 2113-2114, 2115-2116, 2117-2118, 2119-2120, 2121-2122, 2123-2124, 2125-2126, 2127-2128, 2129-2130, 2131-2132, 2133-2134, 2135-2136, 2137-2138, 2139-2140, 2141-2142, 2143-2144, 2145-2146, 2147-2148, 2149-2150, 2151-2152, 2153-2154, 2155-2156, 2157-2158, 2159-2160, 2161-2162, 2163-2164, 2165-2166, 2167-2168, 2169-2170, 2171-2172, 2173-2174, 2175-2176, 2177-2178, 2179-2180, 2181-2182, 2183-2184, 2185-2186, 2187-2188, 2189-2190, 2191-2192, 2193-2194, 2195-2196, 2197-2198, 2199-2200, 2201-2202, 2203-2204, 2205-2206, 2207-2208, 2209-2210, 2211-2212, 2213-2214, 2215-2216, 2217-2218, 2219-2220, 2221-2222, 2223-2224, 2225-2226, 2227-2228, 2229-2230, 2231-2232, 2233-2234, 2235-2236, 2237-2238, 2239-2240, 2241-2242, 2243-2244, 2245-2246, 2247-2248, 2249-2250, 2251-2252, 2253-2254, 2255-2256, 2257-2258, 2259-2260, 2261-2262, 2263-2264, 2265-2266, 2267-2268, 2269-2270, 2271-2272, 2273-2274, 2275-2276, 2277-2278, 2279-2280, 2281-2282, 2283-2284, 2285-2286, 2287-2288, 2289-2290, 2291-2292, 2293-2294, 2295-2296, 2297-2298, 2299-2300, 2301-2302, 2303-2304, 2305-2306, 2307-2308, 2309-2310, 2311-2312, 2313-2314, 2315-2316, 2317-2318, 2319-2320, 2321-2322, 2323-2324, 2325-2326, 2327-2328, 2329-2330, 2331-2332, 2333-2334, 2335-2336, 2337-2338, 2339-2340, 2341-2342, 2343-2344, 2345-2346, 2347-2348, 2349-2350, 2351-2352, 2353-2354, 2355-2356, 2357-2358, 2359-2360, 2361-2362, 2363-2364, 2365-2366, 2367-2368, 2369-2370, 2371-2

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Sogger, 375 Beacon Rd, Chesham, Essex MK5 5BU.

## Board silly?

New for the MSX, -- Boardello from Bubble Bus. Played by one or two computers, it is said to be hard enough on the old board game, GoBelle.

There are several levels of difficulty and the size of the board can be altered. Cost: £5.99.

Bubble Bus, 27 High St, Tinsley, Kent TN16 6LR.

## Prices slashed

ChessSoft has announced it will be introducing all new software at a reduced price -- £2.50. And existing software will also bear the £2.50 price tag.

Previously restricted to higher prices to financing deals with American companies such as Atari's, ChessSoft has now established new agreements which enable the company to bring its prices down.

Howard Jacobson, managing director, said: "ChessSoft will ensure the customer is given a better deal in future, and will make currently high quality software for a standard price of £2.50."

ChessSoft, 34 May St, London EC1M 3JY.

There are three communication modules which match the QL's design, linking one on top of each other and representing via a module bus, which ensures that no inside connecting wires clutter up the place.

With this set you can use the QL as a VSI/50 terminal and access databases such as Percol, RFL400 electronic mail and Easylink files.

You can also use QCOM for downloading software files, communicating user to user and integrating with existing QL software.

QCOM, QMOD and QCALL comprise the three modules and you can buy them direct from QLI Ltd or obtain them through your local dealer early next year. QCOM and QMOD cost £75.95 each, while QCALL costs £49.95.

QLI Ltd, North Point, Givinity Ind Est, Penrith, Cumbria.

## Listen and learn

Reader has continued with Macmillan to produce 13 new educational software titles for the Spectrum.

At £7.95 each, they are fully Microdrive compatible and each program has been devised by experienced teachers and then tested and modified after trials at home and in schools.

Four Science Horizons simulation programs, five Learn to Read programs and four based on the Macmillan Maths scheme comprise the range, and four of the set are for the first to two year-old range.

Alison Maguire, software manager, said: "All these new titles reflect the belief held by Macmillan and ourselves that educational software is only worthwhile if it is simple, straightforward and fun to use."

"We feel that our combination of professional software houses, an experienced publisher and pricing objectives also has enabled this objective to be achieved."

Seacher, Berkeley Sq 48a, London W1F 9LB.

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**For further information write to: Linkword, 41 Walter Road, Swansea.**

## Trio For QL

Now available for the QL, QCOM, a set of computer course modules, from QLI Ltd together with Sogger.

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Look more closely at those pixels with this graphics utility by N D Moss

This program allows you to view and edit characters and sprites.

When you view a character or sprite you enlarge each pixel 4x using Turbo pixel expansion to a size 16 the top right hand corner the character or sprite is displayed, while the enlarged version can be seen on the left.

If you want to edit a character, you must specify where the start of the character is. You will be asked for the screen memory code of the character you wish to edit. For this, refer to the user manual, page 115.

#### Variables

100 array for horizontal line plotting and drawing.

101 array for character data (128 16bit numbers 0000-FFFF) for editing enlarged characters/sprites (000-FFF array for numbers to be POKEd).

102 position of cursor sprite 8 screen positions for editing 8 positions in string 103 temporary storage for line plotting.

# Character study

**How it works**  
4.00 installation of cursor sprite  
40.00 menu  
40.100 character view  
100-270 sprite view  
100.000 character edit  
400-1000 sprite edit  
1100-4000 instructions for line plotting/drawing

Once you have entered the code, a blue grid will appear and the controls for the cursor will be displayed. Move the cursor around the grid and when you want to place a point, press "1". If you wish to delete a point, move the cursor over the point and press "4" again. When you have finished, press Return and all the calculations will be performed.

If you want to edit a sprite, the procedure is exactly the same, but there are four more controls which can plot or open

a whole line vertically or horizontally. These are displayed on the right, together with the other controls. The screen pointer in the number used in between 1000-2000.



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```

```

250 print:space:
260 forq=0to500:if (q>0) then (q)= " "
270 next
280 print:tab(2):space(1000):tab(5000),1
290 forq=1to64:top0:=forq*64
300 print:tab(q*64):next:for i=1to500
310 print:tab(64):for q=0to 63:for i=1to 500
320 print:tab(64):for q=0to 63:for i=1to 500
330 print:tab(64):for q=0to 63:for i=1to 500
340 print:tab(64):for q=0to 63:for i=1to 500
350 print:tab(64):for q=0to 63:for i=1to 500
360 print:tab(64):for q=0to 63:for i=1to 500
370 print:tab(64):for q=0to 63:for i=1to 500
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390 print:tab(64):for q=0to 63:for i=1to 500
400 print:tab(64):for q=0to 63:for i=1to 500
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620 print:tab(64):for q=0to 63:for i=1to 500
630 print:tab(64):for q=0to 63:for i=1to 500
640 print:tab(64):for q=0to 63:for i=1to 500
650 print:tab(64):for q=0to 63:for i=1to 500
660 print:tab(64):for q=0to 63:for i=1to 500
670 print:tab(64):for q=0to 63:for i=1to 500
680 print:tab(64):for q=0to 63:for i=1to 500
690 print:tab(64):for q=0to 63:for i=1to 500
700 print:tab(64):for q=0to 63:for i=1to 500
710 print:tab(64):for q=0to 63:for i=1to 500
720 print:tab(64):for q=0to 63:for i=1to 500
730 print:tab(64):for q=0to 63:for i=1to 500
740 print:tab(64):for q=0to 63:for i=1to 500

```







# Give a dog a bone

In this neat little maze game by Paul Shaddick you're a dog digging up bones you buried in a maze. Be warned — it's not as easy as it sounds!

In this maze game you are a dog. A few weeks ago you buried several bones around a maze and now you want to dig them all up again. You can only see one bone at a time and when you get it you gain points.

Sounds easy? Well, there's a song, there's a time limit for each bone. You have three lives and five levels of difficulty. The maze is different each time and instructions are included.

#### Variables

- 1% lives
- 14% score
- 25% high score
- 100% lives
- 104% position of bone
- 116% death routine after your total hits 100-100
- 4% position of dog

#### How it works

- 2% start screen
- 3% introduction
- 9% on up levels of difficulty
- 104-104% introduction of dog, draw maze
- 100% FORS: bone on screen
- 100% position of bone
- 110% wait
- 111% no wait
- 117% move left, scoring
- 118-119% movement left
- 200% death routine
- 200% end of game
- 1000% scoring
- 200-200% congratulations when level is cleared
- 400% start again



```

1 REM BONE HUNT
2 FORS=25078.100
3 PRINT"_"
12 PRINT"*****BONE HUNT*****"
14 PRINT"BY ROB & PAUL SHADDICK*****"
15 PRINT
20 PRINT"LEFT" = 2*
21 PRINT
22 PRINT"RIGHT" = 4*
23 PRINT
24 PRINT"DOWN" = 6*
25 PRINT
26 PRINT"UP" = 8*
27 PRINT

```

## WIE-30 PROGRAM

[illegible]

# Swot spot

Home Computing Weekly is pleased to present you with an extra-special feature — an educational extravaganza for the Commodore 64 and VIC-20 by Margaret Webb.

## Introduction

Recently a letter in Home Computing Weekly asked how a young son would please his parents who thought he was wasting his time by using his computer in every spare minute (HCW 84). One way would be for his parents to look through the great variety of educational software available and try to translate success in their child.

Educational software comes in many guises, the learning through file approach, track and real work rewards or straightforward learn and review types. Within these categories there is a very wide range of programs covering the full age range. I have come across programs designed to be used with ill-motivated rebels and a language tape which could help back 'O' Level students and middle-aged novices!

All the following categories are a subjective look at some of the range of software available. The parent is the best judge to the type of software required. He or she knows the main criteria for assessing the range of programs to be looked at before putting on hold calls for the product choice.

These criteria are:

1. Subject matter
  2. Child's age
  3. Temperament — does he/does she set at very readily?
  4. Interest — many programs have been written to appeal to certain groups e.g. BMX, Maths, Master Trainers, Basketball, Street Agents.
- It's best to make a shortlist of tapes and try to see them at your local market before buying.

To make life easier I have divided the field into three age groups, each with its own requirements although there are several underlying themes.

The groups are:

1. Pre-school (one to five-years old)
2. Primary and early secondary (six to 14 years)

3. 'O' Level, CSE and beyond

## Pre-school

Most parents with pre-school children wish to help him get a good grasp of everyday things. In fact, the years up to a child's fifth birthday are the most important, since during this time we are building the foundations of learning which will be added to during the rest of the child's life. Before the advent of home computers, parents, playgroups and nurseries were doing an excellent job using all the equipment and techniques available. Now they have an added dimension with computer software.

Any program for use with young children must be

carefully written since the user will have very little grasp of the written word. Consequently, great attention must be given to the effect of some graphics and sound to convey ideas.

This is not to say that they do not understand a lot — it can be amazing just how much three-year-olds can pick up from the world about them. Even before they can speak, they will have heard a lot and stored it away ready for use when the appropriate stimulus comes along. Once sitting on mother's knee and hearing her talk about oranges on the screen a toddler can acquire some knowledge. Such an exercise will clearly be more useful if the display is bright, colourful and eye-catching. Add imaginative

sounds and you could be on to a winner.

Some of the large publishing firms have recognised the attraction of their little of success in the software market. Collins and Usborne Housekeeping have realised the problem in an important way, using the teaching characters as a basis on which to build most software. In Collins' case the star character is Paddington Bear, an easily recognised and lovable character and Collins, in collaboration with Michael Bond, has created a series of packages covering everyday concepts and taking them to Paddington's adventures.

Good Housekeeping adopted a new character called Mr T. Both of these series cover similar areas including numbers, shape recognition, alphabet work, and money. Microsoft appears to have taken a similar route with an early reading package using the Mr Men characters.

All the ones I have seen from these software houses use the same basic rules: attract attention, use short sentences, words, and offer ideas for further work which is independent of the program (that means the parent must do some work too!).

**Primary and early secondary**  
When the child reaches on the 'hard' side of primary and secondary school he or she should be doing enough in school time to know to make extra work at home unnecessary. However this is not to say that educational computer programs for this age group are obsolete — far from it. Computers as educational speaking aids that can store virtually the resources are now available to provide the equipment needed on the unit to use it and you might feel your child is not getting the best deal as a result. Consequently you may wish to make your own contribution.



Software is available in some most subjects and the emphasis is mostly on learning through fun. Through running out of various, exotic action or contemporary events, most children can be induced to sit down and learn without noticing what is happening. Software houses have latched on to this and produced a range of programs which, for example, teach arithmetic with BMX bikes and kangaroos in space (Longman), adventure with various castles and castles (Oxford) and reading by making space around Europe (Hill MacMillan). Hill MacMillan has brought out a series of packages with a domestic approach to learning, combining stage-based subjects in a game which is fun to play. Paper Software is introducing similar software incorporating a cassette and French book.

Adventure games deal with the less obvious areas of education such as comprehension, reading, logical and structural reasoning and writing techniques. Learning and Training Systems has a novel which includes a space adventure and a 'mathematics' level and Creative Sparks has produced an adventure aimed at eight-year-olds: 'Spirals', 'Spirals' and 'Spirals'.

Entering the areas of computer literacy and programming, there are packages to introduce children to the various uses of computers. Memorable makes a 'look/choose' package aimed at the younger child and Collier has a paper-book based called 'Drawing' which provides hints, exercises and practical aids.

#### OF Level and CSE

OF Level and CSE exams can cause a lot of stress, especially as they loom close and the student realises that he or she is nowhere near prepared for them. This is where the computer can come to the rescue. Many firms are producing software which deals specifically with exam revision. They cover most of the subjects as the exam syllabus is a variety of titles.

Whereas software for younger children places the emphasis on fun, by the time the child has reached the OF level it's time for hard facts without fails. Of course the programmer can extract all the material from text books, but the computer does have the advantage of being interactive. This can be like having a private tutor to guide you through the areas of difficulty and reinforce the known facts. Generally the

programs fall into two broad types:

1. Databases allowing access to resources for revision.
2. Mind joggers.

As with the younger age groups, the large publishing companies such as Longman and Penguin have seen the potential in this area. For years they have produced written revision notes and have now extended the idea to software. VIC-20 owners needn't despair since Commodore and MicroLink's consistency offer a range of packages.

Before discussing packages in detail, it is pertinent to comment on the relative quantities of material available. It will be quite evident that most software discussed is for the 64. The large amount of available memory and the superior graphics capabilities make the 64 an ideal machine for education. The VIC-20 on the other hand, is rather limited in both these areas and it is inevitable that it will receive less attention from software houses. Most packages for the VIC will require some form of memory expansion.

Grading the software has been difficult as most of it is of a very high standard. I have chosen three criteria and given percentage ratings to give a guide. The criteria are:

1. Graphics — covering presentation of both text and graphics.
2. Sound.
3. Content — varies with age range.

The overall rating is given as a sum of:

- ★ Poor
- ★★ Average
- ★★★ Good
- ★★★★ Very good
- ★★★★★ Excellent

#### Brief Reviews

##### Probed

**Mr T's Shape Games** (Good Housekeeping) £5.95. Cassette CISM 64.

Side 1: Match up shapes. Can be played by child alone.  
Side 2: Picture maker using simple shapes. Sound 90%. Graphics 95%. Content 90%. Overall ★★★★★.

**Mr T's Alphabet Games** (Good Housekeeping) £5.95. Cassette CISM 64.

Side 1: Shows letter formation.  
Side 2: Tests letter recognition and matching. Sound 90%. Graphics 95%. Content 90%. Overall ★★★★★.

**Mr T's Number Game** (Good Housekeeping) £9.95 Cassettes CBM 64

Early counting and letter recognition (up to nine) and two games to test this knowledge. Great fun putting the spots back on a tidybed — musical rewards.

Graphics 80% Sound 85% Content 90% Overall 4.5

**Memorise** (Soft) £7.95 Cassettes CBM 64

Remembering and building facts on screen. Graphics 60% Sound 80% Content 90% Overall 4

**Party Time** (Cleverdogg APS) Cassettes CBM 64

Six games to play with your toddler. Learn numbers, letters and sing nursery rhymes. Graphics 95% Sound 95% Content 95% Overall 4.5

**Toddler Tutor** (Clarendon) £10.95 Cassettes CBM 64

Match colours and learn letters. Learn the alphabet to music. Learn facts. Graphics 80% Sound 80% Content 90% Overall 4.5

**Count with Oliver** (Petersen) £7.95 Cassettes CBM 64

Help Oliver count, tap and write. Simple addition and subtraction with various characters. Graphics 80% Sound 90% Content 95% Overall 4.5

**Look Sharp** (Marsden) £7.95 Cassettes CBM 64

Slide 1: Matching, add-on cut, memory testing. Slide 2: For older children, same game but using space (read). Graphics 80% Sound 80% Content 90% Overall 4.5

**Match up** (Discovery) £5.95 Disk CBM 64

Learn the letters of the alphabet, match letters and symbols, which float across the screen, with the dot in your hand. Graphics 90% Sound 85% Content 90% Overall 4.5

**Paddington's Garden Game** (Collins) Cassettes CBM 64

Learn to move. Paddington around a colourful garden maze solving 100 puzzles. Graphics 80% Sound 75% Content 90% Overall 4.5

**Paddington's Shopping Mixup** (Collins) £7.95 Cassettes CBM 64

Fun helping Paddington sort his shopping. Comments. Graphics 80% Sound 80% Content 90% Overall 4.5

**What's the Time** (Collins) £9.95

Cassettes CBM 64

Makes telling the time easy even for the youngest child. Both digital and analogue clocks. Needs help.

Graphics 90% Sound 85% Content 85% Overall 4.5

**Flashcards and Spelling** (Thorn) £6.95 Cassettes CBM 64

Answered flashcards with matching graphics for use even with the very young. Graphics 85% Sound 90% Content 95% Overall 4.5

## Not ones

**Mr T's Measuring Game** (Good Housekeeping) £9.95 C, BM 64

**Mr T's Money Box** (Good Housekeeping) £9.95 C, BM 64

**Mr T Tells the Time** (Good Housekeeping) £9.95 C, BM 64

**First Steps with the Mrs Marsden** £7.95 C, BM 64

**Paddington's Early Years** (Collins) £9.95 C, BM 64

**Paddington's Problem Picture** (Collins) £7.95 C, BM 64

**First Numbers** (Collins) £9.95

## Primary and secondary school

**The Alphabet** (Commodore) £9.95 Cassettes VIC 20 + 1K

Business of alphabet. Traches letters and their sounds. Graphics 80% Sound 80% Content 85% Overall 4.5

**Arithmetic 1** (Commodore) £9.95 Cassettes VIC 20 + 1K

Basic number work 0 to 20. Counting and number recognition. Multiplication and division. Counting up tens, fives and fours. Test games. Graphics 80% Sound 80% Content 85% Overall 4.5

**Vocabulary** (Commodore) £9.95 Cassettes VIC 20 + 1K

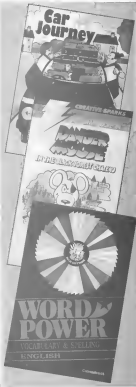
One hundred commonly used words to help build vocabulary. Test games. Graphics 80% Sound 80% Content 85% Overall 4.5

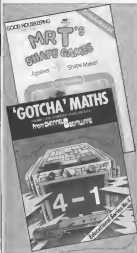
**Reading** (Commodore) £9.95 Cassettes VIC 20 + 1K

Covers word and sentence building, comprehension, vocabulary and spelling. Graphics 80% Sound 80% Content 85% Overall 4.5

**Arithmetic** (Commodore) £9.95 Cassettes VIC 20 + 1K

Test all aspects of basic maths. Graphics 80% Sound 80% Content 85% Overall 4.5





#### Number Colours (ASO) Cassette VSC 33

Collect numbers to make a pre-determined total using the four rules of numbers.  
Graphics: 80% Sound: 80%  
Content: 90% Overall: 80%

#### Paddlington and the Disappearing Ink (Collins) £7.95 Cassette CBM 64

Helps users to time your skills with missing Shogun word processor and processor of Smith Australia.  
Graphics: 80% Sound: 70%  
Content: 90% Overall: 80%

#### Know your Tables (Collins) £9.95 Cassette CBM 64

Helps teach tables (add, subtract, multiply, divide) using a calculator.  
Graphics: 80% Sound: 80%  
Content: 90% Overall: 80%

#### Primary Maths (Chapple) £5.95 Cassette CBM 64

Single and double column addition and subtraction with practical representation of numbers in sets grouped in tens and units.  
Graphics: 80% Sound: 70%  
Content: 90% Overall: 80%

#### Maths Tutor (Channel 5) £5.95 Cassette CBM 64

Follows on from Primary Maths. Addition and subtraction to 9999. Multiplication and division with tens.  
Graphics: 80% Sound: 70%  
Content: 90% Overall: 80%

#### Maths Invaders (Soft) £3.95 Cassette CBM 64

Space Invaders in disguise. Shoot the stars with the numbers.  
Graphics: 70% Sound: 70%  
Content: 70% Overall: 70%

#### Master Maths (Shed) £5.95 Cassette CBM 64

Five different maths games. Lots of fun. Beat your friend's score, or the same rule and see the master and your friend!  
Graphics: 80% Sound: 80%  
Content: 85% Overall: 80%

#### Fun to Learn (Shed) £5.95 Cassette CBM 64

Five games covering numbers and words.  
Graphics: 80% Sound: 80%  
Content: 85% Overall: 80%

#### Revisits (Chapple) £9.95 Cassette CBM 64

Dry, dry-lube. Invaders in disguise.  
Graphics: 80% Sound: 80%  
Content: 70% Overall: 80%

#### Word Warbler (Longman) Cassette CBM 64

A spelling bee using letters on a grid to reveal words. Try to catch you. 1000 word vocabulary and you can add your own. 8 years +.  
Graphics: 80% Sound: 80%  
Content: 85% Overall: 80%

#### BMX Number Jump (Longman) Cassette CBM 64

Jump your bike over the gate with the answer to the sum at the top of the screen. Windows for the Kangaroo 8-12 years.  
Graphics: 80% Sound: 80%  
Content: 85% Overall: 80%

#### 3D Hypercube (Longman) Cassette CBM 64

Avoid the monster and get the sum right. Fast and furious. 8 years +.  
Graphics: 80% Sound: 80%  
Content: 85% Overall: 80%

#### The Wordlist (Dobson) £14.95 Disc CBM 64

Advanced version sequence help with propositions. 8-12 years.  
Graphics: 80% Sound: 70%  
Content: 70% Overall: 80%

#### Time Zone (Dobson) £14.95 Disc CBM 64

Context, discuss time and read vocabulary and use of balloons, what are 8-12 years.  
Graphics: 80% Sound: 70%  
Content: 70% Overall: 80%

#### Word Feed (Radiohead) Cassette CBM 64

Find the matching word in the word square before the computer.  
Graphics: 80% Sound: 80%  
Content: 70% Overall: 80%

#### Don't Blame Me (Hill MacGibbon) £5.95 Cassette CBM 64

Fun game which helps to strengthen logic and arithmetic skills. Guide robot to the bottom avoiding the fox. 8 years +.

#### Graphics: 80% Sound: 80% Content: 70% Overall: 80%

#### Following (Hill MacGibbon) £5.95 Cassette CBM 64

Letter sounds and mathematical skills are used as you learn to fly and land a balloon. 8 years +.  
Graphics: 80% Sound: 80%  
Content: 70% Overall: 80%

#### Can You Hear (Hill MacGibbon) £5.95 Cassette CBM 64

Learn how reading, music and use mathematical skills to run a profitable road delivery service. 9 years +.  
Graphics: 80% Sound: 80%  
Content: 80% Overall: 80%

#### Secret Agent (Hill MacGibbon) £5.95 Cassette CBM 64

Great fun as you read coded messages and chase around the streets of Europe trying to catch a master agent. 9 years +.  
Graphics: 80% Sound: 80%  
Content: 70% Overall: 80%

#### Paratrooper Pete (Hill MacGibbon) £5.95 Cassette CBM 64

Good clear graphics are used to test paratrooper as you control a para on the screen. On the reverse of the cassette is a classroom and a language game. Good value. 9 years +.  
Graphics: 80% Sound: 80%  
Content: 70% Overall: 80%

## Final Review

### Pre-school

#### Frank Whirens (Level 4) (Keweenaw) Cassette CBM 64

A language lesson which will help school children and tourists alike. Teachers and learners alike.  
Graphics: 70% Sound: 80%  
Content: 80% Overall: 80%

#### German Master (Level 5) (Keweenaw) Cassette CBM 64

This master level cassette teaches and tests vocabulary and grammar.  
Graphics: 70% Sound: 80%  
Content: 80% Overall: 80%

#### Deeper Means and the Black Footers (Creative) Cassette CBM 64

A story to be followed with lovely pictures of CBM and Profound.  
Graphics: 70% Sound: 80%  
Content: 80% Overall: 80%

#### Side on Keys (Simplified) £5.95 Cassette CBM 64

Teaches the child where letters are on the keyboard plus simple reading games. 9 to 9 years.  
Graphics: 70% Sound: 80%  
Content: 70% Overall: 80%



**Make a Face (Spectrum)** 29-95  
**Course:** CBM 64  
 Fun as you create faces from the bank of assets, one eye. Faces can be animated. Memory game. 3 to 8 years.  
**Graphics:** 90% **Sound:** 50%  
**Control:** 90% **Overall:** ★★★★★

**My Machine (Spectrum)** 29-95 **Course:** CBM 64  
 Write sample stories and watch the machine illustrate them. Find out how "the computer can do the job" 3 to 8 years.  
**Graphics:** 90% **Sound:** 50%  
**Control:** 90% **Overall:** ★★★★★

**Up and Add 'Em (Pilot Print)** 29-95 **Course:** CBM 64  
 Teach 3 to 7 year olds simple number skills while watching jumping rabbits and other animals.  
**Graphics:** 90% **Sound:** 50%  
**Control:** 90% **Overall:** ★★★★★

**Number Tutorials (Pilot-Print)** 29-95 **Course:** CBM 64  
 A fast-moving game in which you jump down a grid solving arithmetical problems.  
**Graphics:** 90% **Sound:** 50%  
**Control:** 90% **Overall:** ★★★★★

Not sure

**Master Maths (LCL)** 29-95

**Miss Maths (LCL)** 29-95

**Advanced Arithmetic (LCL)** 29-95

**French 64 (Dynamix)** 29-95

**German 64 (Dynamix)** 29-95

**Year Advancers (LTS)** 29-95

**Mathematics: Level 1 (LTS)** 29-95

**Spice Advancers (LTS)** 29-95

Connectix has a wide range of CBM 64 software for all age groups. Invaluable tool to get across samples.

## 'G' Level and CSE

**Biology (Longman)** **Course:** CBM 64  
 Revision check list. Detailed revision of heredity, food and nutrition. Will thought out.  
**Graphics:** 80% **Sound:** 50%  
**Control:** 90% **Overall:** ★★★★★

**Chemistry (Longman)** **Course:** CBM 64  
 General and detailed revision.  
**Graphics:** 80% **Sound:** 50%  
**Control:** 90% **Overall:** ★★★★★

**Mathematics (Longman)** **Course:** CBM 64  
 General and detailed revision.  
**Graphics:** 80% **Sound:** 50%  
**Control:** 90% **Overall:** ★★★★★

**Physics (Longman)** **Course:** CBM 64  
 General and detailed revision.  
**Graphics:** 80% **Sound:** 50%  
**Control:** 90% **Overall:** ★★★★★

**French (Longman)** **Course:** CBM 64  
 First grammar, translation and practice text programs.  
**Graphics:** 80% **Sound:** 50%  
**Control:** 90% **Overall:** ★★★★★

**Computer Studies (Longman)** **Course:** CBM 64  
 General and detailed revision.  
**Graphics:** 80% **Sound:** 50%  
**Control:** 90% **Overall:** ★★★★★

**Science and Maths (Penguin)** **Course:** CBM 64  
 Detailed approach to revising. Mathematics. Cross reference facility is ideal aid to essay writing.  
**Graphics:** 80% **Sound:** 50%  
**Control:** 90% **Overall:** ★★★★★

**Twinkl Nights (Penguin)** **Course:** CBM 64  
 Detailed approach to revising. Mathematics. Cross reference facility is ideal aid to essay writing.  
**Graphics:** 80% **Sound:** 50%  
**Control:** 90% **Overall:** ★★★★★

Not sure

**French (Micro-de-Bug Connex)** VIC 20

**English (Micro-de-Bug Connex)** VIC 20

**Maths (CSE) (Micro-de-Bug Connex)** VIC 20

Connectix has a wide range of CBM 64 software for all age groups. Invaluable tool to get across samples.

## Biographical Note

Magaret Webb is a qualified teacher with 11 years experience in the teaching of science, physics and children of all ages with learning and behavioural difficulties. She is currently a freelance author and software reviewer. She has two children who served as willing testers of the software described in this supplement.

## Acknowledgements

I would like to give my thanks to all the software buyers who supplied material and literature with such clarity.

## Address

Argon Press Software, No. 1 Golden Square, London W1A 3LB



## EDUCATIONAL SPECIAL

**Applied Systems Knowledge.**  
Location: Hse. 43 Upper Rich-  
mond Rd., London SW14 8JG

**Address:** Dr. Satchan Ind  
Park, London Rd, Reading  
RG1 2AT

Chelmsford, 17 Wilburton Rd.  
Worcester MA 01602

Classed II, 51 Pillsbury, Providence, R.I. 02909 (1971)

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Correspondence: Barbara M. Moshier,  
1. Hampden Hall, Wellesley, County  
Hertfordshire, AL1 1JH, UK.

**Creative Sparks, Thomson (McGraw-Hill)**  
262 For a thorough, yet  
straightforward, (01187261)

Discovery, (Stefanowicz), 52  
Plant L., Hampshire, London  
1999-2001

Dynamic Software, Inc.  
5114, London NW 6C 1B8

Elbury Software, National Mag-  
netical House, 72 Broadchurch St.,  
London SE1 5 3BP

Malware Prize, see Symantec  
David Horsberg, see Library  
of Congress

Ham, Howard; Cannon, Sam; Northrup,

**Address:** Room 90 Floor 8, Lonsdale  
MCH

**Kosmos Software, 1 Pilgrimage  
Ct., Farmington, Danvers,  
Vt. 05740-0001**

UCL, 23 Avenue des Arts, Brussels  
1050

**Learning and Training Systems,  
Physionix Inc., Algonac Rd.,  
Souderton, Pennsylvania 18952 U.S.A.**

Longman Software, Longman  
House, Marsh Mill, Harlow, Essex  
CM20 3JF

Minnesota Mining Group  
Pinecroft, Hoffman Group  
London, PCIP USA

Shaw, J. G. *Biography* (New York: Random House, 1964).

Seaford General Shop, 26  
Main Trading Co., Seaford,  
Delaware

Spokane, WIDB Broadcasters,  
St. John's Hill, East Spokane  
99201-3000

Smith, 36 Lanesfield Ave., West-  
bury, N.Y.

Revised: 4 October 2015, Author: [Name]  
 Version: 1.0, Date: 10/10/15

Torresblanca, I. Cal La, Cervera,  
Piedraza, Aragón



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**THE ROYAL QUEST** £4.95

Can you discover the object of your quest and then complete it? A happy and safe adventure with dozens of problems to keep you puzzled for weeks. Puzzles, no less, were quite handy and very large indeed.

**THE MOON CHALLENGE** £19.95

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STONEBURN WORKSHOP  
THE OLD BARNYARD SCHOOL  
STONEBURN, WILT LOTHIAN SN44 5AP

## King Arthur's Quest Spectrum 48K £7.95

BBY MacCoburn, 92 Fleet  
Street, London EC2Y 9EH

Adventure games seem to be getting as sophisticated by the day. It is rather strange then that this game seems to have a number of the classic formulae mixed with oddball and less common ones. In its format, it is the most graphics, which are despite the fantasy along with those in there is a few things.

There is also part of the screen that is open for the objects that you have found and picked up along the way. The game is played on an eight screen board, each with a 10 by 10 grid. This cannot all be told in seconds. It is up to you to read

about part way through.

The features that aren't as obvious, are the lack of your opponent which the game offers. There are reduced to 10 and each is placed on a single number. There are no room descriptions in the traditional sense which are there are plenty of objects and weapons to keep your interest.

I cannot tell this long a list with the more serious adventure players but it will attract children.

graphics	75%
playability	80%
value for money	90%



## Borrowquest Spectrum 48K £5.95

C.C.S.I. in Langton Way, London  
W81 7TL

Sold as an adventure game, this is not what most people would expect. It is more like a fusion of many two different games and has much more in common with the Valley.

The action takes place in a real time and you have a graphical screen showing location and type of land that surrounds you. The way it is played is similar to those and in order to do so you must wander all over the boardland following the objects and look that will allow you to do so.

A great deal of the travelling is at first sight. The board is made of

a grid and long about. There are many a number of interesting patterns and levels and there are only two ways out. The first is to enter another level, the second is to find some objects and walk through a wall.

There are plenty of monsters who don't like the look of you, and a number of weapons to find which appear on the screen when collected. The one game feature a manual in this game but not a very interesting page.

graphics	70%
playability	80%
graphics	70%
value for money	90%



## Aztec, Hunt for the Sun God Spectrum 48K £7.95

BBY MacCoburn, 92 Fleet Street  
London EC2Y 9EH

Designed as an educational adventure for children and programmed by the education provider Pico Maps Software you might expect a good deal from this. It is well packaged and, due to the graphics, the sound, movement and a power which makes a good looking game.

You can play the part of Aztec which was made from a dream to find that all the people of the village have disappeared and so has the sun.

You are given a map of your surroundings in a three dimensional perspective and can move forward or even a little backward. All the possible objects are placed on the board. You can use a keyboard to move around.

If you pick up an object it is shown on the right of the screen which is a map which if you find a compass, the direction that you are facing is indicated on the screen and this changes as you move around.

The speed of the graphics is slow but that is not a major problem. The movements are only fast, there is a fast entry to objects but otherwise it is explained on instructions.

graphics	70%
playability	80%
graphics	80%
value for money	80%



# Legends for adventurers

Mythical characters of long  
ago provide the setting for  
more excitement

## Sherlock CBM 64 £14.95

Mathematical Ltd, 35 Palace  
Square, W1, Arlington, Essex  
CO14 4TD

The setting is London, in Victorian England. You are off to home in Baker Street at the end of Monday morning. On leaving your house you must find a path, go off to find a crime and then solve it.

To move between the many versions of the game you have to use the. You can use the cable which in London you must go to your house. The problem with this is that you must know the place where Sherlock would go to - if you don't then, the game cannot go a step further because you can't go where he can.

For

For like an adventure The Holmes, you should enter a number in the screen. Some screens have a small picture although all have detailed descriptions.

The game is hard and will take a number of days to complete. Any player should have to expect that making Sherlock Holmes might help.

graphics	70%
playability	80%
graphics	80%
value for money	80%



## Zenji CBM 64 £9.95

Artemis, 15 Harley House  
Marylebone Rd, Regent Park  
London NW1

This game should come with a warning health warning in a screen your computer makes you remember with the rest of the family to look TV every day and eventually drives you mad.

On screen there is a grid of different objects, birds and plants. You may move along through elements and repair them about their original points. Eventually you should be able to see that all together so that they are connected to the ground elements in the grid. Some days occur - some are in the game.

If a screen says then follow, you - a unit, which you can see, almost you may in some cases, however, half of the elements from the control you.

To make the game harder there are obstacles which may be placed on the elements and sometimes the at you. You can see at that and when you to move your life.

The graphics are simple but very effective. A point to note is that every time you have an element the whole screen has to be updated. This is done very fast and there is no noticeable loss of speed.

graphics	70%
playability	80%
graphics	80%
value for money	80%





You need all  
your skill and  
very fast  
reactions to  
succeed in this  
game by  
James Hardie.  
You can take  
part in World  
War II action

# Chocks away!



This game takes you into the danger-filled skies above occupied Europe during World War II.

Your skills as a fighter pilot are really put to the test as you have to destroy 30 enemy bombers to prevent them dropping their fatal cargo.

You are given a view from your cockpit window and you chase the bombers through the sky one at a time.

Use the control keys to move and once the enemy plane is in the centre of the screen use the space bar to shoot it down.

Remember that since you are looking out of your plane, the enemy plane seems to be moving up when you move down and vice versa.

#### How it works

20 - screen colours  
40 - runs off 16/17/18 colour  
76-80 - instructions for micro-cass  
200-220 - set up main variables  
220-240 - set up screen  
240-260 - (time delay) controls via  
collective  
260-280 - elevator fuel pump  
280-300 - main engine  
400-440 - read keyboard, move

enemy plane or shoot  
440 - engine  
1000-1040 - enemy engine  
1040-1080 - enemy engine  
1080-1120 - fuel gauges  
1120-1160 - engine gauges  
1160-1200 - user defined graphics  
1200-1240 - end messages

#### Features

44-55 - parts of enemy aircraft  
75-80 - screen  
80-85 - aircraft body  
75 - fuel  
85-90 - position of aircraft  
90-95 - fuel  
95-100 - fuel  
100-105 - ammunition  
105 - fuel  
105-110 - fuel level

#### How on computer

PAPER/INK - no tape/paper/  
improved colour  
PRINT - 1/2 - improves to PRINT  
1/2  
20-70 - read keyboard  
70-80 - runs off key/  
data input  
80-100 - key defined sound  
100-120 - sound code  
120-140 - sound code  
140-160 - sound code



10 REM FIGHTER PATROL  
20 REM BY JAMES HARDIE  
30 REM 1984  
50 PAPER:INK  
60 PAPER:INK  
70 GOSUB 7000

```

88 GOSUB800
100 A$=" gh "
105 A1$=" "
110 B$=" i j "
120 C$=" klm "
130 D$="nopq "
140 E$="rstuv"
150 F$="  k k k k k k k ab k k k k k k k "
160 G$="  k k k k k k k cd k k k k k k k "
170 H$="--"
180 I=20: Y=10: AC$=AF
200 GLE
205 FORC=1 TO22: PRINT: NEXTC
210 PLOT1,0,F$
220 PLOT1,20,G$
230 FORC=1 TO20STEP2: PLOT1,C,H$: NEXTC
240 PLOT1,10,"+"
250 PLOT30,10,"="
260 FORC=4000 TO4900STEP40: POKEC,31: POKEC=1,4: NEXTC
270 POKES16,22: PRINT"AMMUNITION=";AM; " HITS=";HI; " FUE
L=";FU
290 PLOT19,10,A$
300 GOSUB1000
310 PLOTX,Y,AC$
320 PLOTX,Y-1,T$
340 FU=FU-1: IF FU=0 THEN9700
350 POKES16,22: PRINT"AMMUNITION=";AM; " HITS=";HI; " FUE
L=";FU
400 K$=KEY$
410 IFK$=CHR$(32) THENGOSUB3000
420 IFK$=CHR$(11) THENY=Y+1: PLOTX,Y-2," " PLOTX,Y-1
," " IFY>10 THENY=10
430 IFK$=CHR$(18) THENY=Y-1: PLOTX,Y+1," " IFY<3 THEN
Y=3
440 IFK$=CHR$(8) THENX=X+1: PLOTX-1,Y,32: PLOTX-1,Y-1,32:
IFX>32 THENX=32
450 IFK$=CHR$(9) THENX=X-1: PLOTX+5,Y,32: IFX<3 THENX=3
460 PLOTX,Y,AC$: PLOTX,Y-1,T$
999 GOTO300
1000 RN=INT (RND(1)*6)+1
1010 IFRN=1 THENX=X-1: PLOTX+5,Y,32: IFX<3 THENX=3
1020 IFRN=2 THENX=X+1: PLOTX-1,Y,32: PLOTX-1,Y-1,32: IFX>3
2 THENX=32
1030 IFRN=3 THENY=Y-1: PLOTX,Y+1," " IFY<3 THENY=3
1040 IFRN=4 THENY=Y+1: PLOTX,Y-2," " PLOTX,Y-1," "
IFY>10 THENY=10
1050 IFRN=5 ANDAC$=A$ THENAC$=C$: T$=B$
1060 IFRN=6 ANDAC$=C$ THENAC$=E$: T$=D$
1070 IFRN=7 ANDAC$=E$ THENAC$=G$
1080 IFRN=8 ANDAC$=G$ THENAC$=I$
1090 IFRN=9 ANDAC$=I$ THENAC$=M$: T$=A$
1100 IFRN=10 ANDAC$=M$ THENAC$=Q$: T$=B$
2000 RETURN
3000 HS$="/": D=0: E=20: NS$=""
3005 AM=AM-1: IFAM=0 THEN9000
3010 FORC=1 TO10STEP-1: D=D+1: E=E-1
3015 IFRN="/" THENSOUND1,1,9: SOUND4,1,15: PLAY1,1,0,0
3020 PLOT0,C,RN: PLOT0,C,NS
3030 IFRN="/" THENPLAY0,0,0,0

```

```

3012 NEXT
3015 B=SCRN(10,9):IFS=100ORS=100ORS=100ORS=100ORS=100
ENDOT00000
3017 IFS=110ORS=110ORS=117THENBOTO00000
3018 IFB#"/"THENB#"" :D=B#B#"" :C=29:GOTO0010
3020 RETURN
0000 PLOT14,9,CHR$(1)+"" :Y#=""
0010 PLOT14,9,CHR$(1)+"" :()
0020 PLOT14,10,CHR$(1)+"" :()
0030 FORC=1000:EXPLODE:NEXT
0040 H1=H1+1:IFH1=10THENF0000
0050 X=20:Y=10
0060 BOTO0000
0070 END
7000 CLS
7010 PLOT9,1,CHR$(10)+CHR$(1)+FIGHTER PATROL"
7020 PLOT9,2,CHR$(10)+CHR$(6)+FIGHTER PATROL"
7030 PRINT:PRINT:PRINT:PRINT"THE OBJECT OF THIS
GAME IS TO SHOOT "
7040 PRINT"DOWN 10 HIGHLY MANOEUVRABLE AIRCRAFT"
7050 PRINT"WHICH HAVE JUST BOMBED YOUR AIRFIELD."
7060 PRINT"TO DO THIS YOU MUST MOVE YOUR AIRCRAFT"
7070 PRINT"USING THE CURSOR KEYS UNTIL THE ENEMY"
7080 PRINT"APPEARS IN THE CENTRE OF THE SCREEN,"
7090 PRINT"AND THEN SHOOT IT DOWN USING THE SPACE"
7100 PRINT"BAR. UNFORTUNATELY YOU HAVE LIMITED "
7110 PRINT"FUEL AND AMMUNITION TO COMPLETE YOUR"
7120 PRINT"TASK"
7130 PRINT:INPUT"INPUT SKILL LEVEL 1-10 (10=EASY)";SKX
7140 IFSKX>10ORSKX<1THEN7000
7150 AM=SKX+10:FU=SKX+100
7000 RETURN
7000 END
0000 FORC=40000+(97+0)TO40000+(125+0)+7
0010 READDTA:POKEC,DTA:NEXT:GOTO0010
0020 DATA63,31,10,7,3,1,0,0'a
0030 DATA62,60,56,40,32,0,0,0'b
0040 DATA0,1,3,7,10,31,63'c
0050 DATA0,0,32,40,56,60,62'd
0060 DATA0,4,12,20,60,20,12,4'e
0070 DATA0,0,12,14,15,14,12,0'f
0080 DATA4,4,5,14,62,1,0,0'g
0090 DATA0,0,40,20,31,32,0,0'h
0100 DATA0,0,0,0,0,2,2,1'i
0110 DATA0,0,0,0,0,32,32,32'j
0120 DATA2,2,7,7,63,63,0,0'k
0130 DATA20,20,30,30,30,30,20,20'l
0140 DATA32,32,40,40,40,63,63,0'm
0150 DATA0,0,0,0,0,0,0,1'n
0160 DATA0,1,1,1,1,1,1,17,17,62'o
0170 DATA0,0,0,0,60,60,60,3'p
0180 DATA32,32,32,32,32,32,32,56'q
0190 DATA1,1,63,63,63,0,0,0'r
0200 DATA62,62,62,62,62,1,1,1's
0210 DATA3,3,3,3,3,60,60,60't
0220 DATA56,56,63,63,63,0,0,0'u
0230 DATA0,0,40,40,40,0,0,0'v
0240 DATA6,6,27,22,43,10,20,33'w
0250 DATA10,52,44,50,46,52,43,51'x

```

## ORLE PROGRAM

```

8260 DATA32,26,4,5,63,1,18,4'y
8270 DATA9,38,32,63,48,8,22,1'z
8280 DATA4,2,36,48,37,21,11,9
8290 DATA8,8,8,8,36,41,21,22
8300 DATA36,52,42,48,8,9,16,8
8310 FORC=46888+(37*8) TO 46888+(38*8)+7
8320 READDTA:POKEC,DTA:NEXT:RETURN
8330 DATA6,42,37,9,4,4,4,4
8340 DATA4,4,4,4,4,4,4,4
9000 CLS
9010 PRINT"YOU RAN OUT OF AMMUNITION, BUT YOU DID"
9020 PRINT"MANAGE TO SHOOT DOWN "JHI;" ENEMY AIRCRAFT"
9030 GOTO9990
9040 PLOT8,11,CHR$(18)+CHR$(1)+"CONGRATULATIONS"
9050 PLOT9,12,CHR$(18)+CHR$(1)+"CONGRATULATIONS"
9060 WAIT500:CLS:GOTO9990
9070 FORC=1 TO 25:PAPERINT(RND(1)*8):EXPLODE:NEXT:PAPER
9080 CLS:PRINT"YOU RAN OUT OF FUEL AND THEREFORE"
9090 PRINT"CRASHED, BUT YOU DID HIT "JHI;" ENEMY AIRCRAFT"
9100 GOTO9990
9110 PRINT:PRINT:PRINT" DO YOU WANT ANOTHER GO? (Y/N)"
9120 GETZ:IF Z="Y" THEN RUN
9130 IF Z="N" THEN CLS:END
9140 RETURN

```

**Special Christmas Presents and Christmas Presents  
for Men, Children**

[illegible]

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1999

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**PERMAN FORD E5.95**

**PERMAN FORD E5.95**





Watch where you tread — there's hidden mines about. Use your skill and quick reactions in this game by Barry Hayman

# Don't step on a mine!

## How it works

1-5 on 10 variables  
10-20 instruction format, how many mines and steps  
30-35 on up mine routine for game  
110-115 on up INKEY, moved by key  
115-120 move routine  
200-210 main routine  
210-220 score, new game  
220-230  
230-240  
240-250  
250-260  
260-270  
270-280  
280-290  
290-300  
300-310  
310-320  
320-330  
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340-350  
350-360  
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390-400  
400-410  
410-420  
420-430  
430-440  
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850-860  
860-870  
870-880  
880-890  
890-900  
900-910  
910-920  
920-930  
930-940  
940-950  
950-960  
960-970  
970-980  
980-990  
990-1000

## Variables

NS number of mines  
LT number of steps per score  
L number of steps done  
S your direction  
SP your position corresponding to position on screen  
CPI display file

The program runs on the ZX81, and should also run on the Spectrum. Although it is written in BASIC, it is quite fast.

You must dodge the mines on screen. You can only move a certain number of steps and you can select how many mines to add.

The more mines there are, and the more steps you make, the greater the points you win.

A set page is available, which is similar but harder.

Full instructions are included in the program.



```

100 FOR Q=1 TO 20
110 PRINT "■",TWO 31,"■"
120 NEXT Q
130 PRINT
140
150 SLOW
160 FOR YP=20
170 IF INKEY<0 THEN GOTO 210
180 LET NS=INKEYS
190 LET S=INKEYS
200 IF S=INKEYS THEN NS=NS+1
210 FOR Q=1 TO LT
220 LET YP=YP+S
230 LET X=PEEK YP
240 FOR YP=YP-20
250 IF X=0 THEN GOTO 160
260 LET S=S+1
270 LET NS=INKEYS
280 LET X=INKEYS
290 IF X=INKEYS THEN NS=NS+1
300 NEXT Q
310 PRINT AT 11,4,""
320
330 PRINT AT 12,4,""
340 PRINT AT 13,4,""
350
360 FOR Q=1 TO 50
370 NEXT Q
380 GOTO 100
390 FOR Q=1 TO 20
400 FOR Q=1 TO 20
410 NEXT Q
420 NEXT Q
430 FOR Q=1 TO 5
440 NEXT Q
450 CLS
460 PRINT
470 PRINT "YOU WENT "S" STEPS"
480 PRINT "FOR A SETTING OF "NS" MINES"
490 PRINT "AND "LT" STEPS PER SCREEN"
500 PRINT "SCORE "NS" + "
510 PRINT "SCORES "NS+LT*NS
520 PRINT
530 PRINT "PRESS "S" FOR THE 50"
540 PRINT "PRESS "Q" FOR A 50"
550 PRINT "PRESS "F" FOR SET PA"
560
570 LET NS=INKEYS
580 IF NS=0 THEN GOTO 90
590 IF NS=Q THEN GOTO 10
600 IF NS=F THEN GOTO 2000
610 GOTO 1000
620 CLS
630 PRINT
640 PRINT
650 PRINT
660 PRINT
670 PRINT
680 PRINT
690 PRINT
700 PRINT
710 PRINT
720 PRINT
730 PRINT
740 PRINT
750 PRINT
760 PRINT
770 PRINT
780 PRINT
790 PRINT
800 PRINT
810 PRINT
820 PRINT
830 PRINT
840 PRINT
850 PRINT
860 PRINT
870 PRINT
880 PRINT
890 PRINT
900 PRINT
910 PRINT
920 PRINT
930 PRINT
940 PRINT
950 PRINT
960 PRINT
970 PRINT
980 PRINT
990 PRINT
1000 PRINT

```

```

1 REM
2 *****
3 SLOW
4 LET Q=0
5 LET S=0
6 LET OFI=PEEK 10000+256+PEE
70000
8 PRINT AT 10,0,"WAIT INSTRU
90000
10 INPUT NS
11 IF LEN NS THEN IF NS=1 THEN
12 THEN GOTO 7000
13 CLS
14 PRINT AT 10,0,"NUMBER OF MI
15000
16 INPUT NS
17 CLS
18 PRINT AT 10,0,"HOW MANY STE
19000
20 INPUT LT
21 LET S=0
22 CLS
23 LET YP=OFI+123+11+130
24 FOR Q=1 TO NS
25 FOR Q=1 TO NS
26 FOR Q=1 TO NS
27 FOR Q=1 TO NS
28 FOR Q=1 TO NS
29 FOR Q=1 TO NS
30 FOR Q=1 TO NS
31 FOR Q=1 TO NS
32 FOR Q=1 TO NS
33 FOR Q=1 TO NS
34 FOR Q=1 TO NS
35 FOR Q=1 TO NS
36 FOR Q=1 TO NS
37 FOR Q=1 TO NS
38 FOR Q=1 TO NS
39 FOR Q=1 TO NS
40 FOR Q=1 TO NS
41 FOR Q=1 TO NS
42 FOR Q=1 TO NS
43 FOR Q=1 TO NS
44 FOR Q=1 TO NS
45 FOR Q=1 TO NS
46 FOR Q=1 TO NS
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91 FOR Q=1 TO NS
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93 FOR Q=1 TO NS
94 FOR Q=1 TO NS
95 FOR Q=1 TO NS
96 FOR Q=1 TO NS
97 FOR Q=1 TO NS
98 FOR Q=1 TO NS
99 FOR Q=1 TO NS
1000 FOR Q=1 TO NS

```



## Phase 4 CBM 64 £8.95

Catalogue No. 31, Farnborough,  
Hants, Lanes PEO 8884

Watch our stars, here we go again. The controls are amazingly familiar — you control a space ship and must kill a predetermined number of enemies per within the allowed number of attempts with higher levels.

The funner of the screen reveals itself. Screens two and three are probably the second and you control and manoeuvre nothing. Screens four and five are particularly busy, whilst the rest of the game is dedicated to alien ships a variety of tactics — some basic, some shoot and some simply faster.

You have the option of smart bombs, packed missiles and

minis. Once you have cleared some level it's back to the beginning with double the score.

The game is graphically good with simple scrolling, star ships and not smoking stars. The sound effects include exciting firing noises to a drumming. Although the graphics is simple overall, it becomes rapidly bored. By all means, give this game the once over but play it before deciding.

instructions	85%
ease of use	85%
graphics	75%
value for money	90%

★★★★★

## Guzzler CBM 64 £7

Interware, London NW The  
Coma, Telford, Shrop

You are a guzzler in a mean world food often is a. To start a food will now mean that unless a key is given across and then public food is possible. After eating all the food in the screen you are not and don't pass through some of the screen's gaps. To do this is a special use you should wear on the edge of the game for the first time. Don't be a miser and share it.

After starting all food food means, the food will now mean the screen — eating this will give you extra points. If you complete a full level you get even more points.

To defeat yourself from the confusion there are a number

number of levels for you depend. When levels are played after every three screens are completed.

The graphics are average. To play the game you need to occasionally hold the joystick in the required direction. I would have preferred it if you were needed to do this so that the joystick in that hand direction would be possible.

instructions	40%
ease of use	50%
graphics	50%
value for money	50%

★★★★★

## Droids CBM 64 £9.95

US Gold, Unit 30, Parkway Ind  
Centre, Birmingham B7 4LT

And now for something completely different. The Droids have been inspired by the Transformers. Nine, a megalomaniac, makes use to create a wave of poor fun in bombs.

The game consists of two screens. The first is a grid of doors which can be opened through 10 doors to form a path. The second screen is a maze of doors which can be opened through 10 doors to form a path. The second screen is a maze of doors which can be opened through 10 doors to form a path.

Transformers and their allies, Super Tanks, change shape to go to get you. You can destroy the Transformers by trapping it in a box or pulling up a bomb-shaped object. When the boxes are destroyed, they fall on with Cynagolms and Droids, windows jump through the Droids' windows and then screen is.

When you visit a Cynagolm and release the Droids, then lead to the first screen with great success.

It's all rather weird. It's also an excellent game. The graphics are very high standard with dark effects. There's a lot going on and it's a real challenge. This is a game that must be seen to be believed.

instructions	85%
ease of use	85%
graphics	90%
value for money	90%

★★★★★

# Ever popular arcade

More action and excitement to  
keep your reactions in trim

## Cliff Hanger CBM 64 £7.95

New Generation, Farnham, Bath  
BA2 4TD

The game is a game example of any of these ideas which is a. It is a game that you can't play until you have been told why it has been told before. It is a game that you can't play until you have been told why it has been told before. It is a game that you can't play until you have been told why it has been told before.

The game is a game like a game. It is a game that you can't play until you have been told why it has been told before. It is a game that you can't play until you have been told why it has been told before. It is a game that you can't play until you have been told why it has been told before.

which must be asked before progressing. Score depends on losing the screen and then an amount for getting a right first one. As higher levels there are more and more to get so much fun that it is a game.

The graphics are a high standard and along with superb animation and sound effects. If you like them and they you'll love them.

instructions	75%
ease of use	85%
graphics	90%
value for money	90%

★★★★★

## Ad Infinitum CBM 64 £7.50

Mr Chap, 1 Apple Place, Llan  
tridfan, LL20 1BL

Just when you thought that you had seen your last space games, Ad Infinitum comes along with a new and exciting twist. You control a space ship and must attempt to destroy the bases of alien invaders. Your only protection is a laser and your manoeuvrability.

You can move from side to side and part of the way up. Your laser has automatic fire but you must aim well and aim accurately and precisely.

The speed part is that you can shoot at different levels. This is a rather odd idea. There are 100 levels of difficulty. You get your first level of difficulty at the first level of difficulty. You get your first level of difficulty at the first level of difficulty.

The game is a game like a game. It is a game that you can't play until you have been told why it has been told before. It is a game that you can't play until you have been told why it has been told before. It is a game that you can't play until you have been told why it has been told before.

instructions	80%
ease of use	80%
graphics	75%
value for money	75%

★★★★★







## Thrusta CBM 64 £7.95

Software Projects, Bear Street  
Campton, Adelaide Rd Wood-  
son, Liverpool

I never cease to marvel at the variety which software writers come up with. Here is a game in which you have two types of enemy to kill. The larger ones are to be killed with a knife, from your chosen Master. To kill the big ones, you must drop a rock on them. The screen takes place in a series of platforms and walls. You fly a little rocket and your chosen sphere is to destroy enemies or die. The two enemies hatch from eggs at the base of the screen and return again using a variety of tactics. You must get back out to clear the screen. The picture shows more about making life endless and no artificial when killed. Your score

rock means it for the level and you start a shoot with a stone from your ship.

Generally the game plays in of a good standard with clear, colourful sprites and good sound-effects. Random interrupts are used to give more than right scores, but this does give an exciting flicker.

A fun game which becomes rather boring after a few scores.

A/B

Instructions	45%
ease of use	45%
graphics	45%
value for money	50%

★ ★ ★

## Nuclear Games CBM 64 £6.50

Leam, 15 High St, Liphby,  
Oxon OX13 3DP

This is a graphics adventure game. A super computer has taken control of the Nuclear Defence System and is about to start a war. The only person who knows it is a 'dimpled' scientist. He has made up a trap that contains clues on stopping the computer. You must break into the establishment, solve the clues, and stop the computer.

This is a tricky thought out and planned. The game uses a few leading system displaying some colours while leaving to many for the skill to win. There is a no introductory sequence that sets the scene and atmosphere which contains good graphics and music.

The adventure relies on

managing a two word, verb and noun combination. The success is dependant on the graphics screen which occupies the top half of the screen. I liked the fact that the graphics often depended on your actions. Tryng a rope in a rope resulted in a rope appearing.

When you need a book, you can read your password in text and another number. One after the other provide hours of adventure.

A/C

Instructions	50%
playability	50%
graphics	50%
value for money	50%

★ ★ ★

## Fort Apocalypse CBM 64 £9.95

CS Gold, Unit 24, Tesco  
Trading Co, Stockfield Rd,  
Tipton, W Midlands

This is an interesting combination of different worlds, creating in an accurate picture. The content is full of an action to create realism from the perspective of Fort Apocalypse. The underground labyrinth is protected by flying enemies, radio-stoppers, laser, flamethrowers and huge phantoms. If you are struggling left to right, you have the direction of fire. If you are outmanoeuvred and facing one of the screens, you can bomb.

To travel about the labyrinth you must bomb in them through barriers. To discover to a level level you must use speed and stamina to travel the distance. There is also the problem of fire. This is a game of skill, speed and strategy and not of stupid tactics.

You get a steady stream, reading into view of the labyrinth with a small radar view at the top of the screen. The movement is more with realistic movement, very similar to *Chopper Lite*.

This is a gripping game which has no boring and boring another go. This is a real test of your skills.

A/B

Instructions	90%
ease of use	90%
graphics	95%
value for money	95%

★ ★ ★

# War is declared

Here are some exciting war  
games for you to try. Will you  
save your country from the  
enemy?

## Superpower 48K Spectrum £9.95

CS 14 Lagan Way, London  
SE13 7TL

If you have ever fancied the life of a spy, then this program is likely to fascinate you. The scenario is in a good program, but the graphics approach and controls are left and not the CIA and GCB have scored one slightly more drastically than of course.

You play the intelligence committee of a major power and have the task of gathering and removing the power's systems on-screen. Your playground is part of the third world, its success remains.

For security of all players having to make two eyes of more per round. The few, collecting information either

about a nation or a comparison of military and progress. The second part is the chance to attack the balance of power and has two subplots in history, economics, finding the cooperation and coordination between nations, leaving the more generalised control systems.

The game is a good war game with much to show information, but like the graphics, it is a long game of skill and strategy and at such will appeal to experienced players.

A/C

Instructions	80%
playability	80%
graphics	75%
value for money	80%

★ ★ ★

## Falklands Crisis 48K Spectrum £9.95

Living, Portsmouth, Llanelli  
Oxley SA15 1DP

Admitted to a good computer game of strategy and tactics. I have to admit that I agree with the developers, I feel that it will appeal to the strategy game players more than other games.

Based on the Falklands position, you become the pilot of a Harrier jump on patrolling the Falklands. One world feature is the way you control may increase or decrease in a small map at the top corner. This acts as the radar indicator too. With enemy planes in a state, making the map to look a rather nice look.

Based at least has interesting and graphics reasonable. The design of the game, I have yet to develop a technique for bombing ships but shooting down planes is easier. This seems to be an interesting aspect of the game, but I am not sure if it is better or not.

One other unusual feature is the replacement of screens on the map of you go off one side you appear on the other, I wish this happened in reality on screens.

A/C

Instructions	85%
playability	80%
graphics	85%
value for money	80%

★ ★ ★





# CHARTBUSTERS

## BRITAIN'S SOFTWARE CHARTS

by the ASP Market Research Group

### ARCADE

- |  |              |                 |
|--|--------------|-----------------|
| 1 <b>Death Thompson</b><br>Description   | Osborne      | Spectrum 121    |
| 2 <b>Topity</b>                          | Personal     | Spectrum 121    |
| 3 <b>Chocobusters</b>                    | Amstrad      | Spectrum 11     |
| 4 <b>Manic Miner</b>                     | 3 Projects   | Spectrum 124    |
| 5 <b>Poltergeist</b>                     | Atari 5200   | Spectrum 141    |
| 6 <b>Jet Set Willy</b>                   | 3 Projects   | Spectrum 141    |
| 7 <b>Search Wad</b>                      | MS-DOS       | Spectrum 121    |
| 8 <b>Wally World /</b><br><b>World 1</b> | Commodore 64 | Speed Party 121 |
| 9 <b>Combat Zone</b>                     | Amstrad      | Spectrum 11     |
| 10 <b>Handbrake</b>                      | Osborne      | Spectrum 121    |

### NON-ARCADE

- |   |            |              |
|---|------------|--------------|
| 1 <b>Underworld</b>                     | Ultimate   | Spectrum 124 |
| 2 <b>World Wars</b>                     | Ultimate   | Spectrum 124 |
| 3 <b>Eliza</b>                          | Account    | BBC 121      |
| 4 <b>Football</b><br><b>Manager</b>     | Adaptive   | Spectrum 121 |
| 5 <b>Amstrad</b><br><b>Football</b>     | Word Games | Spectrum 121 |
| 6 <b>Knights of</b><br><b>the Round</b> | File       | Spectrum 121 |
| 7 <b>Star Trek</b>                      | Star Trek  | Spectrum 121 |
| 8 <b>Trivial Pursuit</b>                | Category   | Spectrum 121 |
| 9 <b>Talk Shop</b>                      | Category   | Spectrum 121 |
| 10 <b>Amstrad</b>                       | Category   | Spectrum 121 |

Compiled with the assistance of Britain's leading software distributors, including: Pinnacle, SDL, PCE, Websters, PC3 and Software Centre.

### SPECTRUM

- |  |              |
|--|--------------|
| 1 <b>Party</b>                           | Personal     |
| 2 <b>Super Space</b><br><b>Adventure</b> | Amstrad 121  |
| 3 <b>Amstrad</b>                         | Commodore 64 |
| 4 <b>Amstrad</b>                         | Commodore 64 |
| 5 <b>Amstrad</b>                         | Commodore 64 |
| 6 <b>Amstrad</b>                         | Commodore 64 |
| 7 <b>Amstrad</b>                         | Commodore 64 |
| 8 <b>Amstrad</b>                         | Commodore 64 |
| 9 <b>Amstrad</b>                         | Commodore 64 |
| 10 <b>Amstrad</b>                        | Commodore 64 |

### COMMODORE 64

- |  |              |
|--|--------------|
| 1 <b>Party</b>                           | Personal     |
| 2 <b>Super Space</b><br><b>Adventure</b> | Amstrad 121  |
| 3 <b>Amstrad</b>                         | Commodore 64 |
| 4 <b>Amstrad</b>                         | Commodore 64 |
| 5 <b>Amstrad</b>                         | Commodore 64 |
| 6 <b>Amstrad</b>                         | Commodore 64 |
| 7 <b>Amstrad</b>                         | Commodore 64 |
| 8 <b>Amstrad</b>                         | Commodore 64 |
| 9 <b>Amstrad</b>                         | Commodore 64 |
| 10 <b>Amstrad</b>                        | Commodore 64 |

### DRAGON 32

- |  |              |
|--|--------------|
| 1 <b>Party</b>                           | Personal     |
| 2 <b>Super Space</b><br><b>Adventure</b> | Amstrad 121  |
| 3 <b>Amstrad</b>                         | Commodore 64 |
| 4 <b>Amstrad</b>                         | Commodore 64 |
| 5 <b>Amstrad</b>                         | Commodore 64 |
| 6 <b>Amstrad</b>                         | Commodore 64 |
| 7 <b>Amstrad</b>                         | Commodore 64 |
| 8 <b>Amstrad</b>                         | Commodore 64 |
| 9 <b>Amstrad</b>                         | Commodore 64 |
| 10 <b>Amstrad</b>                        | Commodore 64 |

Compiled by W. H. Smith and Websters. Figures in brackets are last week's positions.

### VIC-20

- |  |              |
|--|--------------|
| 1 <b>Party</b>                           | Personal     |
| 2 <b>Super Space</b><br><b>Adventure</b> | Amstrad 121  |
| 3 <b>Amstrad</b>                         | Commodore 64 |
| 4 <b>Amstrad</b>                         | Commodore 64 |
| 5 <b>Amstrad</b>                         | Commodore 64 |
| 6 <b>Amstrad</b>                         | Commodore 64 |
| 7 <b>Amstrad</b>                         | Commodore 64 |
| 8 <b>Amstrad</b>                         | Commodore 64 |
| 9 <b>Amstrad</b>                         | Commodore 64 |
| 10 <b>Amstrad</b>                        | Commodore 64 |

### BBC

- |  |              |
|--|--------------|
| 1 <b>Party</b>                           | Personal     |
| 2 <b>Super Space</b><br><b>Adventure</b> | Amstrad 121  |
| 3 <b>Amstrad</b>                         | Commodore 64 |
| 4 <b>Amstrad</b>                         | Commodore 64 |
| 5 <b>Amstrad</b>                         | Commodore 64 |
| 6 <b>Amstrad</b>                         | Commodore 64 |
| 7 <b>Amstrad</b>                         | Commodore 64 |
| 8 <b>Amstrad</b>                         | Commodore 64 |
| 9 <b>Amstrad</b>                         | Commodore 64 |
| 10 <b>Amstrad</b>                        | Commodore 64 |

### AMSTRAD

- |  |              |
|--|--------------|
| 1 <b>Party</b>                           | Personal     |
| 2 <b>Super Space</b><br><b>Adventure</b> | Amstrad 121  |
| 3 <b>Amstrad</b>                         | Commodore 64 |
| 4 <b>Amstrad</b>                         | Commodore 64 |
| 5 <b>Amstrad</b>                         | Commodore 64 |
| 6 <b>Amstrad</b>                         | Commodore 64 |
| 7 <b>Amstrad</b>                         | Commodore 64 |
| 8 <b>Amstrad</b>                         | Commodore 64 |
| 9 <b>Amstrad</b>                         | Commodore 64 |
| 10 <b>Amstrad</b>                        | Commodore 64 |

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### Utilities for the OL-ACM on Microdrive

The package also made big trading gains as shares of the company, following its purchase and announcement of final take-over of most of its assets, including the oil, mining and agricultural, in addition to a share of 40% in the oil and natural gas assets of the state. The company's operations are concentrated in the oil and natural gas sector, with a focus on the oil and natural gas sector. The company's operations are concentrated in the oil and natural gas sector, with a focus on the oil and natural gas sector. The company's operations are concentrated in the oil and natural gas sector, with a focus on the oil and natural gas sector.

**Current Spectrum Software**  
**Trademark (PS Console)**

Have clear communication goals on both sides of the business of the Food Industry. Make a list of the products that people like to eat and bring enough to share. (products and services). A strategy-oriented game with graphics. (see 1999)

Journal of Management Education 33(1)

Following the 1992 film, the book is intended as the first of a two-part study. The first part, now, looks at the cinema with the aid of personal testimonies from seven writers. Most are black, three of them, the Chicago and Knight of La Morte, the Black Cat of Connecticut, a Gender and Wholeness of Resurrection, and finally, a book on the cinema for 1992, is the first of a new series.

### Answer: Turkey and Canada

This study has a set of 45 pairs of genes, each pair having a similar number of groups of variant bases, numbers of base-pairing interactions, and similar single character properties (nucleoside, nucleotide, base, amino acid, etc.). The genes are listed in Table 1. In parentheses, the number of variant bases in the 45 pairs is given. The first column of the table lists the genes in the first group, the second column lists the genes in the second group, and the third column lists the genes in the third group. The genes are listed in the order of their base-pairing interactions, and the number of variant bases in the 45 pairs is given in parentheses.

### Spectrum Programs on Microsites

All the above are available on CD-ROM, available as a part of £1.5M for universities + the value of most programs are shown above e.g., a package with StreetView and MapInfo Pro would be £11.7K. **2004** **SCORUM** Content Search, a software for user searching through web, each computer.

**TABLE 1**

WD Software (UK) Limited, Hilltop, St Marys, Jersey, C.I.  
Tel 00354-67553

## SOFTWARE

— **Page 16** 4. **REVISION** of **Section 4**—  
to **Section 4** **REVISION** of **Section 4**—

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

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